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## Rock Physics Constraints on Seismic Signatures of Fractures

### Summary:

Natural fractures are expected to produce certain seismic signatures. Seismic data from the James Lime reservoir in West Texas illustrate that seismic attributes are affected not only by the fractures themselves, but also by the fracture fillings and by the properties of the surrounding rock. Results showing variability in seismic attributes, along with interpretation pitfalls, will be presented.